

## **CRASH DETECTION SYSTEM INCLUDING ROLL-OVER DISCRIMINATION**

### **ABSTRACT OF THE DISCLOSURE**

A crash detection system (22) includes a controller (26) that communicates with a plurality of sensors (28, 30, 32). The controller uses a difference between a sensor velocity value and a threshold to discriminate between a roll-over and at least one other type of crash or impact event. If a difference between a sensor velocity and the threshold exceeds the threshold, the controller subtracts that difference from an acceleration influence of a roll-over algorithm to avoid processing sensor data as if a roll-over were happening when, in fact, the event is a different type of crash or impact.

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